



Appendix B. SAR Measurement Plots

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Next to mouth SAR

Place of testing: HUAWEI SAR/HAC Lab

YDA-B09S BT DH5 39CH Front Side 10mm

DUT: YDA-B09S; Type: Smart Watch; Serial: SAR5

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.31522

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.838$ S/m; $\epsilon_r = 40.234$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7381; ConvF(8, 8, 8) @ 2441 MHz; Calibrated: 2021-11-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -14.0, 31.0$
- Electronics: DAE4 Sn1235; Calibrated: 2021-11-22
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Next to mouth/Area Scan (9x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0323 W/kg

Configuration/Next to mouth/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.362 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0420 W/kg

SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.00975 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 46.8%

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0328 W/kg

